

Attorney's Docket: 2003DE419
Serial No.: 10/828,569
Art Unit 1714
Response to Office Action of July 2, 2007

This listing of claims will replace all prior versions, and listings of claims in the application:

Please cancel claims 1-8 and 10.

9.(Currently Amended) A method for ~~demulsifying~~ demulsifying a mixture of A) at least one middle distillate fuel oil and B) at least one biofuel oil comprising the step of adding ~~[[the]]~~ to the mixture an oil-soluble copolymer C) of ethylene and at least 0.2 to 35 mol% of a further olefinically unsaturated compound having at least one free hydroxyl group, and having an OH number of from 10 to 300 mg KOH/g.

11.(New) The method of claim 9, wherein the mixture comprises

A) the at least one middle distillate fuel oil, and

B) the at least one biofuel oil,

wherein the a mixing ratio of A) to B) ranges from 99:1 to 1:99.

12.(New) The method of claim 9, wherein the OH number of the oil soluble copolymer C) is between 20 and 250.

13.(New) The method of claim 9, wherein the oil-soluble copolymer C) has an average molecular weight of from 700 to 10,000 g/mol.

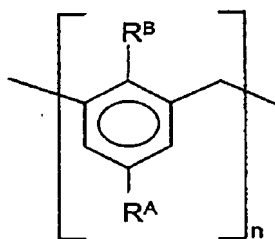
Attorney's Docket: 2003DE419
Serial No.: 10/828,569
Art Unit 1714
Response to Office Action of July 2, 2007

14.(New) The method of claim 9, wherein a proportion of the olefinically unsaturated compound in the oil-soluble copolymer C) is between 0.5 and 15 mol%.

15.(New) The method of claim 9, wherein the oil-soluble copolymer C) further comprises at least one second comonomer selected from the group consisting of a vinyl ester, an acrylic acid, a methacrylic acid, an acrylic ester, a methacrylic ester, a vinyl ester and an olefin.

16.(New) The method of claim 9, wherein the content of the oil-soluble copolymer C) in the mixture is from 0.001 to 5% by weight.

17.(New) The method of claim 9, wherein the mixture further comprises at least one alkylphenol-formaldehyde resin of the formula



where R^A is C₆-C₂₄-alkyl or -alkenyl, R^B is OH or O-(A-O)_x-H where A = C₂-C₄-alkylene and x = 1 to 50, and n is a number from 2 to 50.

18.(New) The method of claim 17, wherein n ranges from 5 to 40.